

SHEMYAKIN, M.M.

Mechanism of the thermal decomposition of carboxylic acid
salts. Izv. AN SSSR. Otd.khim.nauk no.8:1515-1516 Ag '61.
(MIRA 14:8)

1. Institut khimii prirodn'kh soyedineniy AN SSSR.
(Acids, Organic)

BYRGELOVSON I.D.; LEVITOV, H.M.; MOLOTKOVSKIY, Yul.G.; SAKHIN, Yu.O.;
SHEMYAKIN, H.M.

Synthesis and study of the antimicrobial action of the simplest
analogues of macrolide antibiotics. Antibiotiki 6 no.7:581-585
J1 61, (MIRA 15:6)

1. Institut khimii prirodnykh soedineniy AN SSSR.
(ANTIBIOTICS)

ARBUZOV, Yu.A.; BERLIN, Yu.A.; VOLKOV, Yu.P.; KOLOSOV, M.N.;
OVCHINNIKOV, Yu.A.; SE YUY-YUAN' [Hsieh Yü-yuan];
TAO CHZHEN-E [T'ao Chêng-ê]; SHEMYAKIN, M.M.

Study of the ways of synthesizing tetracyclines. Antibiotiki
6 no.7:585-594 J1 '61. (MIRA 15:6)

1. Institut khimii prirodnykh soyedineniy AN SSSR.
(TETRACYCLINE)

SISAKYAN, N.M., akademik; MININ, I.I., akademik; SATPAYEV, K.I., akademik;
FRUMKIN, A.N., akademik; SHEMYAKIN, M.M., akademik; SOBOLEV, S.L.,
akademik; SHULEYKIN, V.V., akademik; BITSADZE, A.V.; MEL'NIKOV, N.V.,
KHVOSTOV, V.M.; ROMASHKIN, P.S.; ABDULLAYEV, Kh.M.; DADYKIN, V.P.,
doktor biol.nauk; OBOLENTSEV, R.D., doktor khim.nauk; PONOMAREV,
B.N.; BLAGONRAVOV, A.A., akademik; ARTSIMOVICH, L.A., akademik;
KOSTENKO, M.P., akademik; NALIVKIN, D.V., akademik

Discussion of the report. Vest.AN SSSR 31 no.3:27-47 Mr '61.
(MIRA 14:3)

1. AN Kazakhskoy SSSR (for Satpayev). 2. Chleny-korrespondenty
AN SSSR (for Bitsadze, Mel'nikov, Khvostov, Romashkin, Abdullayev,
Ponomarev).

(Research)

ARBUZOV, Yu.A.; KIRYUSHKIN, A.A.; KOLOSOV, M.N.; OVCHINNIKOV, Yu.A.; SHEMYAKIN,
M.M. akademik

Ways of constructing a ring system of BA tetracyclines. Synthesis
of esters of substituted 2-oxocyclohexylacetic acids. Dokl. AN SSSR
137 no.5:1106-1109 Ap '61. (MIRA 14:4)

1. Institut khimii prirodnikh soedineniy AN SSSR i Moskovskiy
gosudarstvennyy universitet im. M.V. Lomonosova.
(Tetracycline) (Cyclohexanecarboxylic acid)

RAVDEL', G.A.; KRIT, A.A.; SHCHUKINA, L.A.; SHENYASIN, M.M., akademik

Synthetic paths in the preparation of the peptide part of ergot alkaloids. Dokl. AN SSSR 137 no. 6 1377-1380 Ap '61. (MIRA 14:4)

1. Institut boillogicheskoy i meditsinskoy khimii Akademii meditsinskikh nauk SSSR.
(Ergot alkaloids)

SHEMYAKIN, M.M., akademik; VINOGRADOVA, Ye.I.; FEYGINA, M.Yu.; ALDANOVA,
N.A.; OLADKINA, V.A.; SHCHUKINA, L.A.

Synthesis of optically active depsipeptides. Dokl. AN SSSR 140
no.2:387-390 S '61. (MIRA 14:9)

1. Institut khimii prirocdnykh soyedineniy AN SSSR.
(Peptides)

MENDELEVICH, F.A.; SHEMYAKIN, M.M., akademik

Isomerization, hydrolysis, and redox transformations of 3-
4-carbocymethyl-5-p-chlorophenylazotropolene. Dokl. AN SSSR 141
no.6:1380-1383 D '61. (MIRA 14:12)

1. Institut khimii prirodnnykh soedineniy AN SSSR.
(Tropolone) (Azo compounds)

SHEMYAKIN, Mikhail Mikhaylovich

"Synthetic approaches to the relation between structure and activity of some antibiotics"

Report to be submitted for the International Symposium on Pharmaceutical Chemistry, Firenze, Italy, 17-19 Sep 62

Institute of Chemistry of Natural Compounds, AS USSR

BERGEL'SON, L.D.; SOLODOVNIK, V.D.; SHEMYAKIN, M.M.

New synthesis of α - and β -eleostearic acids. Izv. AN SSSR, Otd.
khim. nauk no. 7:1315 JI '62. (MIRA 15:7)

1. Institut khimii prirodnnykh soyedineniy AN SSSR.
(Eleostearic acid)

AVCHINNIKOV, Yu.A.; IVANOV, V.T.; KIRYUSHKIN, A.A.; SHERYAKIN, M.M.

Structure of enniatin A. Izv. AN SSSR. Otd. khim. nauk no. 8:1497
Ag '62. (MIRA 15:8)

1. Institut khimii prirodnnykh soyedineniy AN SSSR.
(Antibiotics)

MEYMAN, L.A.; MAYMIND, V.I.; SHEMLARIN, M.M.

Reaction of phenyl azide with carbonyl compounds. Izv.AN SSSR.
Otd.khim.nauk no.8:1498-1499 Ag '62. (MIRA 15:8)

1. Institut khimii prirodnaykh soyedineniy AN SSSR i Institut
biologicheskoy i meditsinskoy khimii AMN SSSR.
(Azides) (Carbonyl compounds)

SHEMYAKIN, M.M., akademik; ANTOVNOV, V.K.

Results of the 4th European Symposium on Peptide Chemistry; summary of reports. Zhur. V~~K~~H~~O~~ 7 no.3:353-360 '62. (MIRA 15:6)
(Peptides--Congresses)

SHEMYAKIN, M.M.

GOFMAN, A.; FREY, A.I.; RUTSHMANN, I.; OTT, Kh.; SHEMYAKIN, M.M.; KISHFALUDI, L.; KOCHETKOV, N.K.; DERUVITSKAYA, V.A.; PROKOF'YEV, M.A.; SHABAROVA, Z.A.; FILIPPOVA, L.A.; SHANKMAN, S.; KHAYGA, S.; LIV, F.; ROBERTS, M.Ye.; GAVRILOV, N.I.; AKIMOVA, L.N.; KHLUDOVA, M.S.; MAKSIMOV, V.I.; IZELIN, B.M.; SHEPPARD, R.K.; SHKODINSKAYA, Ye.N.; VASINA, O.S.; BERLIN, A.Ya.; SOF'INA, Z.P.; LARIONOV, L.F.; KNUNYANTS, I.L.; GOLUBEVA, N.Ye.; KARPAVICHUS, K.I.; KIL'DISHEVA, O.V.; MEDZIGRADSKIY, K.; KAFAR, M.; LEV, M.; KORENSKI, F.; BUASSONA, R.A.; GUTTMAN, St.; KHOYGENIN, R.L.; ZHAKENO, P.A.; BAZHUS, S.; LENARD, K.; DUAL'SKI, S.; SHREDFER, Ye.; SHMIKHEN, R.; KHOKHLOV, A.S.

Results of the Fourth European Symposium on the chemistry of peptides. Abstracts of reports. Zhur. VKHO 7 no.4:468-476 '62. (MIRA 15:8)

1. Aktsionernoye obshchestvo "Sandos", Bazel', Shveytsariya (for Gofman, Frey, Ott, Rutshmann).
2. Farmatsevticheskaya fabrika "G.Rikhter", Budapesht, Vengriya (for Kishfaludi, Korenski, Dualski).
3. Institut khimii prirodnikh soyedineniy AN SSSR, Moskva (for Kochetkov, Darevitskaya, Shemyakin, Khokhlov).
4. Laboratoriya khimii belka Moskovskogo gosudarstvennogo universiteta (for Prokof'yev, Shabarova, Filippova, Gavrilov, Akimova, Khludova).
5. Fond meditsinskikh issledovaniy, Passadena, Kaliforniya, Sev.Soyed.Shtaty Ameriki (for Shankman, Khayga, Liv, Roberts).
6. Laboratoriya khimii belka Instituta organicheskoy

~~(Continued on next card)~~

DOBRYNIN, V.N.; GUREVICH, A.I.; KARAPETYSN, M.G.; KOLOSOV, M.N.; SHEMYAKIN, M.M.

Absolute configuration of tetracycline antibiotics. Izv. AN SSSR. Otd.
khim. nauk no. 9:1697 S '62. (MIRA 15:10)

1. Institut khimii prirodnnykh soyedineniy AN SSSR.
(Tetracycline) (Antibiotics)

SHEMYAKIN, M.M.; OVCHINNIKOV, Yu.A.; IVANOV, V.T.; KIRYUSHKIN, A.A.

Total synthesis of sporidesmin 1. Izv.AN SSSR.Otd.khim.nauk no.9:1699-
1700 S '62. (MIRA 15:10)

1. Institut khimii prirocykh soyedineniy AN SSSR.
(Sporidesmin)

BERGEL'SON, L.D.; VAVER, V.A.; SHIMYAKIN, M.M.

New method of synthesizing cis-cis-diene-methane systems.
Izv. AN SSSR. Otd. khim. nauk no. 10: 1894-1895 0 '62. (MIRA 15:10)

1. Institut khimii prirodnikh soyedineniy AN SSSR.
(Methane) (Butadiene)

SHEMYAKIN, M. M.; OVCHINNIKOV, Yu. A.; KIRYUSHKIN, A. A.; IVANOV, V. T.

Depsides. Report No. 7: Structure of emniatin B. Izv. AN SSSR
Otd. khim. nauk no. 12: 2154-2161 D '62. (MIRA 16:1)

1. Institut khimii prirodnaykh soyeдинeniy AN SSSR.

(Depsides)

SHEMYAKIN, M.M.

Synthesis of optically active depsipeptides. Coll Cz Chem 27 no.9:
2252-2253 S '62.

1. Institute for the Chemistry of Natural Products, Academy of Sciences
of the U.S.S.R., Moscow.

SHEMYAKIN, M.M.

Chemistry of depsipeptides. Usp.khim. 31 no.3:269-284, 1962.
(MIRA 15:3)

1. Institut khimii prirodnikh soyedineniy AN SSSR.
(Peptides) (Depsides)

BERGEL'SON, L.D.; MOLOTKOVSKIY, Yu.I.G.; SHEMYAKIN, M.M.

Unsaturated acids and macrocyclic lactones. Part 1: Synthesis
of diactylenic and diene macrocyclic lactones. Zhur. ob. khim.
32 no.1:58-64 Ja '62. (MIRA 15:2)

1. Institut khimii prirodnikh soyedineniy AN SSSR.
(Lactones)

BERGEL'SON, L.D.; VAVER, V.A.; KOVTUN, V.Yu.; SENYAVINA, L.B.; SHERYAKIN, M.M.

Unsaturated acids and macrocyclic lactones. Part 2: Stereospecific method for synthesizing natural unsaturated fatty acids with the aid of Wittig reaction. Zhur.ob.khim. 32 no.6:1802-1807 Je '62.
(MIRA 15:6)

(Acids, Fatty) (Wittig-~~reaction~~) (Unsaturated compounds)

BERGEL'SON, L.D.; VAVER, V.A.; BEZUBOV, A.A.; SHENYAKIN, M.M.

Unsaturated acids and macrocyclic lactones. Part 3: Using Wittig
reaction for the synthesis of higher fatty acids with a branched
chain. Zhur.ob.khim. 32 no.6:1807-1811 Jc '62. (MIRA 15:6)
(Acids, Fatty) (Wittig reaction)

BERGEL'SON, L.D.; VAVER, V.A.; BARSUKOV, L.I.; SHEMYAKIN, M.M., akademik

Mechanism and steric course of the Wittig reaction as affected
by external factors. Dokl. AN SSSR 143 no.1:111-114 Mr '62.
(MIRA 15:2)

1. Institut khimii prirodnikh soyedineniy AN SSSR.
(Wittig reaction)
(Stereochemistry)

BERGEL'SON, L.D.; DYATLOVITSKAYA, E.V.; SHEMYAKIN, M.M.

Total synthesis of kamlolenic acid. Izv. AN SSSR. Otd. khim. nauk
no. 2: 388 F '63. (MIRA 16:4)

1. Institut khimii prirodnymi soedineniy AN SSSR.
(Kamlolenic acid)

BERGEL'SON, L.D.; DYATLOVITSKAYA, E.V.; SHEMYAKIN, M.M.

Unsaturated acids and macrocyclic lactones. Report No.7:
Synthesis of unsaturated (.) -hydroxy acids. Izv.AN SSSR.Otd.
khim.nauk no.3:506-509 Mr '63. (MIRA 16:4)

1. Institut khimii prirodnykh soedineniy AN SSSR.
(Acids, Fatty) (Unsaturated compounds)

SHEMYAKIN, M.M.; OVCHINNIKOV, Yu.A.; KIRYUSHKIN, A.A.; IVANOV, V.T.

Structure and total synthesis of enniatin B. Izv. AN SSSR.
Otd. khim. nauk no. 3: 579 Mr '63. (MIRA 16:4)

1. Institut khimii prirodn'nykh soedineniy AN SSSR.
(Enniatin)

OVCHINNIKOV, Yu.A.; KIRYUSHKIN, A.A.; IVANOV, V.T.; SHEMYAKIN, M.M.

Structure of sporidesmolide; part 2. Izv. AN SSSR. ~~Otd.khim.~~ no.4:
770 Ap '63. (MIRA 12-3)

1. Institut khimii prirodnykh soyedineniy AN SSSR.
(Sporidesmin)

BERGEL'SON, L.D.; VAVER, V.A.; BARSUKOV, L.I.; SHEMYAKIN, M.M.

Unsaturated acids and macrocyclic lactones. Report No.11: Total synthesis of cis-8-hexadecenoic, cis-11-hexadecenoic (palmitvaccenic), cis-7-octadecenoic, and cis-9-hexacosanoic acids. Izv.AN SSSR. Ser.khim. no.8:1417-1421 Ag '63. (MIRA 16:9)

1. Institut khimii prirodn'kh soedineniy AN SSSR.
(Hexadecenoic acid) (Octadecenoic acid) (Hexacosanoic acid)

BOLESOV, I.G.; KOLOSOV, M.N.; SHEMYAKIN, M.M., akademik

Synthesis of an analog of dimethyltetracycline. Dokl. AN SSSR
151 no.5:1097-1099 Ag '63. (MIRA 16:9)

1. Institut khimii prirodnnykh soyedineniy AN SSSR.
(Tetracycline)

OVCHINNIKOV, Yu.A.; IVANOV, V.T.; KERYUSHKIN, A.A.; SHEMYAKIN, M.M.,
akademik

Conformation factors in the cyclization of depsipeptides.
Dokl. AN SSSR 153 no.6:1342-1345 D '63. (MIRA 17:1)

1. Institut khimii prirodnikh soyedineniy AN SSSR.

OVCHINNIKOV, Yu.A.; IVANOV, V.T.; KIRYUSHKIN, A.A.;
SHEMYAKIN, M.M., akademik

Doubling mechanism in the cyclization of depsipeptides and
peptides. Dokl. AN SSSR 153 no.1:122-125 N '63.
(MIRA 17:1)

1. Institut khimii prirodnnykh soyedineniy AN SSSR.

VUL'FSON, N.S.; ZARETSKIY, V.I.; PUCHKOV, V.A.; ZAIKIN, V.G.; SHKROB, A.M.;
ANTONOV, V.A.; SHEMYAKIN, M.M., akademik

Mutual transformations of cyclols and cyclodepsipeptides studied
by the method of fragmentary mass spectrometry. Dokl. AN SSSR
153 no.2:336-339 N '63. (MIRA 16:12)

1. Institut khimii prirodn'kh soedineniy AN SSSR.

ARBUZOV, Yu.A.; BIEVICH, K.A.; BOLESOVA, I.N.; VOLKOV, Yu.P.;
KOLOSOV, M.N.; SHEMYAKIN, M.M.

Tetracyclines. Report No.19: Synthesis of 2- and 3-substituted
10-keto-9-hydroxy-1,2,3,4a,9,9a,10-octahydroanthracenes. Izv.
AN SSSR. Ser.khim. no.3:482-491 Mr '64. (MIRA 17:4)

1. Institut khimii prirodnikh soyedineniy AN SSSR.

VOLKOV, Yu.P.; KOLOSOV, M.N.; KOROBKC, V.G.; SHEMYAKIN, M.M.

Tetracyclines. Report No.20: Configuration of 2- and 3-substituted 10-keto-9-hydroxy-1,2,3,4,4a,9,9a,10-octahydroanthracenes and the stereochemistry of the reduction of naphthoquinone-butadiene adducts with aluminum hydride. Izv. AN SSSR. Ser.khim. no.34 492-501 Mr '64. (MIRA 17:4)

1. Institut khimii prirodnkh. soyedineniy AN SSSR.

MIROV, A. N.; REYDVA, Ye. I.; ALDOUDOV, V. K.; SHEMYAKIN, M. M.

Endo isomer of N-acetylenes. Izv AN SSSR Ser Khim no. 4:774
Ap. 1964. (MIRA 17:5)

1. Institut khimii prirodnykh soyedineniy AN SSSR.

SHEMYAKIN, Mikhail Mikhaylovich; GUREVICH, A. I.; KOLISOV, M. N.

"Synthesis of anhydrotetracycline related compounds."

Report presented for the 3rd Intl. Symposium on the Chemistry of
Natural Products (IUPAC), Kyoto, Japan, 12-18 April 1964.

ANTONOV, V. K.; SHEMAKIN, M. M.; SHKROB, A. M.

"New data on hydroxy- and amino-acyl incorporation into peptide systems."

report submitted for the 7th European Peptide Symp, Budapest, 3-8 Sep 64.

SHEMYAKIN, M. M.; OVCHINNIKOV, Yu. A.; IVANOV, V. T.; KIRYUSHKIN, A. A.

"Studies in the conformation of cyclodepsipeptides."

report submitted for the 7th European Peptide Symp, Budapest, 3-8 Sep 64.

SHEMYAKIN, M.M.; OVCHINNIKOV, Yu.A.; ANTONOV, V.K.; KIRYUSHKIN, A.A.;
IVANOV, V.T.; SHCHELOKOV, V.I.; SHKROB, A.M.

Synthesis of O,O'-diacetylserratamolide. Izv. AN SSSR.
Ser. khim. no.12:2233 D '63. (MIRA 17:1)

. 1. Institut khimii prirodnkh soyedineniy AN SSSR.

SHEMYAKIN, M.M.; KNUNYANTS, I.L.; KRETOVICH, V.L.; KNYLOV, V.P.

In memory of N.S.Drozdev. Zhur.ob.khim. 33 no.12:4018-4019 D
'63. (MIRA 17:3)

BERLIN, Yu. A.; KOLISOV, M. N.; SREMYAKIN, M. M.; BRAZHNIKOVA, M. G.*

"Olivomycin - hydrolysis and alcohololysis."

report submitted for Antibiotics Cong, Prague, 15-19 Jun 64.

Inst of Chemistry of Natural Substances, AS USSR, Moscow; *Inst for the Search
of New Antibiotics, AMS USSR, Moscow.

ARBUZOV, Yu.A.; BOLESOV, I.G.; BREGADZE, V.I. ; KOLOSOV, M.N.; SHEMYAKIN, M.
M.; EL'PERINA, Ye.A.

Tetracycline series. Report No.18: Synthesis of 2- and 3-substitu-
ted 9-keto-1,2,3,4, 4_a,9,9_a,10-tetrahydroanthracenes. Izv.AN SSSR.
Ser.khim. no.2:310-319 F '64. (MIRA 17:3)

1. Institut khimii prirodnyn soyedineniy AN SSSR.

1917-1918.

practice in making telescopes of the Moscow branch of the
Union Astronomical and Geodetic Society. Sub. Teleskopost.
no. 1:97-98 '64 (S. RA 18:1)

GUREVICH, A.I.; KARAPETYAN, M.G.; KOLOSOV, M.N.; KOROBKO, V.G.;
ONOPRIYENKO, V.V.; SHEMYAKIN, M.M., akademik

Synthesis of hydronaphthacenes related to anhydrotetracyclines. Dokl.
AN SSSR 155 no.1:125-127 Mr '64. (MIRA 17:4)

1. Institut khimii prirodnykh soyedineniy AN SSSR.

BEGLIN, Ya.A.; ZILBER, M.N.; SHENKIN, M.M.

Tetracyclines. Part 21: Building up a ring A of tetracyclines.
Zhur. ob. khim. 34 no. 3:79-807 Kr 164. (MIRA 17:6)

1. Institut khimii prirodnykh soyedineniy AN SSSR.

DEMLIN, Yu.A.; VEIKOV, Yu.P.; KOLODOV, M.N.; OYCHINNIKOV, Yu.A.;
TAN CHIH-HAN- α [Tiao Cheng- α]; SHEETAKIN, M.M.

tetracyclines. Part 22: New paths for building up a ring
A of dedimethylaminotetracyclines. Zhur. ob. khim. 34 no. 3:
790-798 Mr '64. (MIRA 17:6)

1. Institut khimii prirodnokh soyedineniy AN SSSR.

SHEMYAKIN, M. M.; VINOGRADOVA, Ye. I.; FEYGINA, M. Yu.; ALDANOVA, N. A.

Densipeptides. Part 17: Cyclization of linear tetra- and
octadepsipeptides. Zhur. ob. khim. 34 no.6:1798-1803
Je '64. (MIRA 17:7)
1. Institut khimii prirodnikh soedineniy AN SSSR.

NEYMAN, L.A.; MAYMIND, V.I.; SHEMYAKIN, M.M.

Interaction of the azide group with a nitroso group. Izv.
Akad. Nauk SSSR Ser. khim. no.7:1357 JI '64. (MIRA 17:8)

1. Institut khimii prirodnkh soyedineniy AN SSSR.

SHEMYAKIN, M.M., akademik; IVANOV, V.T.

Sixth European Symposium on the Chemistry of Peptides. Zhur.
VKHO 9 no. 3:332-334 '64. (MIRA 17:9)

SHEMYAKIN, M. M.; VINOGRADOVA, Ye. I.; FEYGINA, M. Yu.; ALDANOVA, N. A.;
OVCHINNIKOV, Yu. A.; KIRYUSHKIN, A. A.

Depsipeptides. Part 16: Paths in the synthesis of optically
active linear depsipeptides. Zhur. ob. Khim. 34 no.6:1782-
1797 Je '64. (MIRA 17:7)
1. Institut khimii prirodnikh soedineniy AN SSSR.

KOLOSOV, M.N.; POPRAVKO, S.A.; GUREVICH, A.I.; KOROBKO, V.G.; VASINA, I.V.;
SHEMYAKIN, M.M.

Tetracyclines. Part 28: Synthesis and reversible isomerization of
the derivatives of 9-keto-4,5,10-trihydroxy-1,4,4a,9,9a,10-hexahydro-
anthracene. Zhur. ob. khim. 34 no.8:2534-2539 Ag '64.
(MIRA 17:9)

1. Institut khimii prirodnnykh soyedineniy AN SSSR.

SHAPIRO, I.M.; see also, M.N.; see YUY-YUAN [Hsien Yu-yuan]; KARAPETIAN, H.A.;
CHEN, KUAY-WU [Shan Kuai-yü]; GIBSON, R.I.

Tetracyclines. Report No. 1: Synthesis of 1- and 3-substituted
10-keto-9-methoxy-9-methyl-1,2,3,4,8a,9,10a,10b-octahydroanthracenes.
Ann. N.Y. Acad. Sci. 196:1013-1024, 1964.

(XIRA 17:11)

1. Method of synthesis of tetracyclines AN 1013.

SHEMYAKIN, M.M.; KOLOSOV, M.N.; KAPALETYAN, M.G.; SE YUY-YI AN' [Hsieh Yu-yian];
ONOPRIYENKO, V.V.

Tetracyclines. Report No.22: Stereochemistry of 2-, and 3-substituted 10-keto-9-hydroxy-9-methyl-1,2,3,4,4a,9,9a,10-octahydroanthracenes. Izv. AN SSSR. Ser. khim. no.6:1024-1035 Je '64.

(MIRA 17:11)

1. Institut khimii prirodnykh soedineniy AN SSSR.

BERGEL'SON, L.D.; VAVER, V.A.; BEZZUBOV, A.A.; SHEMYAKIN, M.M.

Unsaturated acids and macrocyclic lactones. Report No.13:
New synthetic path for obtaining the divinylethane system.
Izv. AN SSSR. Ser. khim. no.8:1453-1456 Ag '64.

(MIRA 17:9)

1. Institut khimii prirodykh soyedineniy AN SSSR.

BERGEL'SON, L.D.; DYATLOVITSKAYA, E.V.; SHENYAKIN, M.M.

Unsaturated acids and macrocyclic lactones. report No.16:
Total synthesis of α - and β -kamolenic acids. Izv. AN SSSR
Ser. khim. no.11:2003-2007 N '64 (MIRA 19:1)

1. Institut khimii prirodnym soedineniy AN SSSR.

KOLOSOV, M.N.; POPRAVKO, S.A.; KOROBU, V.G.; KARAPETYAN, M.G.; SHEMYAKIN, M.M.

Tetracyclines. Part 30: Construction of a tricyclic system DCB
of tetracycline antibiotic. Zhur. ob. khim. 34 no.8:2547-2553
Ag '64. (MIRA 17:9)

1. Institut khimii prirodnikh soyedineniy AN SSSR.

GUREVICH, A.I.; KOLOSOV, M.N.; KOLCHKO, V.G.; KOROLYUK, S.A.; SHENYAKIN, N.M.

Tetracyclines: Part 49: Michael's reaction with derivatives of Δ^1 -tricycline Dokl. Zhur. ob. Khim. 35 no.4:752-6-9 Apr 1966.

(M.I.A. 18:5)

1. Institut Khimii prirody i soedineniy AN SSSR.

ZARETSKIY, V.I.; VUL'FSON, N.S.; ZAIKIN, V.G.; KISTIN, A.V.; SHKROB, A.M.;
ANTONOV, V.K.; SHENYAKIN, M.M.

Mass spectrometric study of cyclols containing aromatic rings.
Izv. AN SSSR Ser. khim. no.11:2076-2079 N '64 (MIRA 18:1)

1. Institut khimii prirodnikh soyedineniy AN SSSR.

KOLASOV, M.N.; GNOSENEVICH, V.V.; SHENYAKIN, M.M.

Tetracyclines. Part XI: Synthesis of 11,12 —dideoxy-4-
acetylmethyl-amino-6-decethyl-5,6,7,8-anhydrotetracycline.
Dokl. Akad. Nauk SSSR 235 no.4:659-661 Apr '68.

(MIRA 18:5)

1. Institut khimii prirodnykh soedineniy AN SSSR.

DANILOV, S.N., glav. red.: ARBUZOV, A.Ye., red.; VVEDENSKIY, A.A., red.; VENUS-DANILOVA, E.D., red.; ZAKHAROVA, A.I., red.; IOFFE, I.S., red.; KAVERZNEVA, Ye.D., red.; LUTSENKO, I.F., red.; MISHCHENKO, K.P., red.; NEMTSOV, M.S., red.; PETROV, A.A., red.; FREYDLINA, R.Kh., red.; SHENYAKIN, M.M., red.; SHUKAREV, S.A., red.; YUR'YEV, Yu.K., red.

[Biologically active compounds] Biologicheski aktivnye soedineniia. Moskva, Nauka, 1965. 305 p.

(MIRA 18:7)

SHEMYAKIN, M.M.

Organic biochemistry, present state and future development. Izv. AN
SSSR. Ser. biol. no.4:473-480 J1-Ag '65. (MIRA 18:7)

BOLESOV, I.G.; KOLOSOV, M.N.; SHEMYAKIN, M.M.

Tetracycline series. Report No.34: Synthesis of 2-decarboxyamido-4-dedimethylamino-6,10,12-trideoxy-6-demethyl-11 α ,12-dihydroxy-tetracycline, an analog of 6-demethyltetracycline. Izv. AN SSSR. Ser. khim. no.6:1039-1044 '65. (MIRA 18:6)

1. Institut khimii prirodnykh soyedineniy AN SSSR.

ANTONOV, V.A.; BECHELOKOV, V.I.; SHEMYAKIN, M.M.; TOVAROVA, I.I.; KISELEVA, O.A.

Selective hydrolysis of O,O'-diacetylserratamolide and a comparison of the synthetic and biosynthetic types of the antibiotic.

Antibiotiki 10 no.5:387-390 My '65.

(MIRA 18:6)

1. Institut khimii prirodnaykh soyedineniy AN SSSR, Moskva.
2. Laboratoriya khimii antibiotikov Instituta khimii prirodnaykh soyedineniy AN SSSR, Moskva (for Shemyakin).
3. Laboratoriya vydeleniya i oshistki prirodnaykh soyedineniy Instituta khimii prirodnaykh soyedineniy AN SSSR, Moskva (for Kiseleva).

ANTONOV, G.P., SHKROB, A.M., SHEMYAKIN, M.M.

Activation of the amide group by acylation. Part 3: Oxyacyl
inclusion reaction in the *N*-oxyacyllactam series. Zhur. ob.
khim. 35 no.8:1380-1389 Ag '65. (MIRA 18:8)

1. Institut khimii prirodnikh soedineniy AN SSSR.

SHEMYAKIN, M.M.

A telescope can be constructed at home. Zem. i vsel. l no.1:89-92 Ja-F
'65. (MIRA 18:7)

1. Zaveduyushchiy otделom teleskopostroyeniya TSentral'nogo soveta
Vsesoyuznogo astronomo-geodezicheskogo obshchestva.

SHENYAKIN, M.M.

Conference of the constructors of home-made telescopes. Zem.i vsel.
1 no.2:76-77 Mr-Ap '65. (MIRA 18:8)

1. Zaveduyushchiy otdelom teleskopostroyeniya pri TSentral'nom
soвете Vsesoyuznogo astronomo-geodezicheskogo obshchestva.

ANTONOV, V.K.; AGADZHANYAN, S.Ye.; TELEKHINA, T.R.; SHCHERBIN, M.N.

Activation of an amide group by activation. Part 5: Inclusion of amino acid radicals into linear and cyclic peptides. Zhur. ob.khim. 35 no.12:2231-2238 D '65. (MIRA 19:1)

1. Institut khimii prirodnykh soedineniy AN SSSR. Submitted December 23, 1964.

RAVDEL', G.A.; KRIT, N.A.; OLADKINA, V.A.; SHCHUKINA, L.A.;
SHEMYAKIN, M.M.

Depsipeptides. Report No.31: Synthesis of depsipeptides containing α -hydroxy- α -amino acid radicals. Izv. AN SSSR. Ser. khim. no.11:1987-1992 '65. (MIRA 18:11)

1. Institut khimii prirodnikh soyedineniy AN SSSR.

ANTONOV, V.I.; TCHERNICHOV, V.I.; SEMYAKIN, M.S.

Activation of an amide group by acylation. Part 6: Synthesis
of cyclodepsipeptides by hydrazinyl inclusion into cyclopeptides.
Zhur.ob.khim. 35 no.12:2239-2246 D '65.

(MIRA 19:1)

1. Institut khimii prirodnikh soyedineniy AN SSSR. Submitted
December 23, 1964.

BOCHAREV, V.I.; DUBINSKY, V.A.; MURPHY, M.A.; SHEKHARIN, V.M.; OLSHINSKIY, V.A.; KRYASHKIN, A.A.; IVANOV, V.I.; VILKEL'DOVA, Y.I.; ALDANOVA, H.A.

Peptidolipids. Part 51: Mass spectrometric study of 1,3-bisphospholipid-peptides of regular structure. Khim. prirod. soed. 1:50-56 1986.
(MIRA 18:6)

1. Institut khimii prirodykh soedineniy AN SSSR.

SHEMYAKIN, M.M.; OVCHINNIKOV, Yu.A.; KIRYUSHKIN, A.A.; IVANOV, V.T.

Chemistry of depsipeptides. Report 25: Structure and complete synthesis of enniatins A and B. Izv. AN SSSR. Ser. khim. no.9: 1623-1630 '65. (MIRA 18:9)

1. Institut khimii prirodnikh soyedineniy AN SSSR.

OVCHINNIKOV, Yu.A.; IVANOV, V.T.; MIKHALEVA, I.I.; SHEMYAKIN, M.M.

Synthesis of enniatin C. Izv. AN SSSR. Ser. khim. no.10:1912
O '64. (MIRA 17:12)

1. Institut khimii prirodnikh soyedineniy AN SSSR.

DANILOV, S.D., priv. red.; ZAKHAROVA, A.I., red.; ARBUZOV, A.Ye.,
red.; VVEKALSEY, A.A., red.; VENUS-DANILOVA, E.D., red.;
IOFFE, I.S., red.; KATKIN, Ye.D., red.; LUTSENKO,
I.F., red.; MISHCHENKO, K.P., red.; NEMTSEV, E.S., red.;
PETROV, A.A., red.; FREYDLINA, R.Kh., red.; SHERYAKIN,
E.M., red.; SHCHUKAREV, S.A., red.; YUR'YEV, Yu.K., red.

[Problems of organic synthesis] Problemy organicheskogo
sinteza. Moscow, Nauka, 1965. 323 p. (MIRA 18:8)

L 25812-66 EWT(1)/T RO/JK

ACC NR: AP6015924

SOURCE CODE: UR/0216/65/000/004/0473/0480

AUTHOR: Shemyakin, M. M.

ORG: none

TITLE: Bio-organic chemistry--current status and prospects

SOURCE: AN SSSR. Izvestiya. Seriya biologicheskaya, no. 4, 1965, 473-480

TOPIC TAGS: biochemistry, plant chemistry, organic chemistry, therapeutics, antibiotic, vitamin, corticosteroid, drug, alkaloid

ABSTRACT: Modern bio-organic chemistry and biochemistry, which lie on the borderline between chemistry and biology, are key disciplines that largely determine the development of both chemistry and biology as a whole. The main objective of bio-organic chemistry is to study the chemistry of natural and synthetic substances in relation to their physiological functions. This clearly defines both the theoretical and applied aspects of the field. The growth of bio-organic chemistry must naturally be closely linked with the development of biochemistry at the molecular, subcellular, and cellular levels; the ultimate goal of which is to elucidate the physicochemical basis and control of vital processes in the integral organism.

Such practical problems as therapy of the most dangerous diseases (cancer, radiation sickness, cardiovascular disease, nervous and mental

Card 1/2

UDC: 577.1

34
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L 25812-66

ACC NR: AP6015924

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disorders and eradication of infectious diseases of man, agricultural animals, and plants (especially virus and fungus diseases) require, as before, the search for, study and synthesis of antibiotics, steroids, vitamins, drugs of plant origin (alkaloids, glycosides, etc.), and various synthetic compounds. Another set of problems includes the stimulation and directed regulation of animal growth and chemical methods of protecting plants and controlling their development. [JPRS]

SUB CODE: 06, 07 / SUBM DATE: none

Card 2/2 CC

L 26556-66 EWT(m) RM

ACC NR: AP6017361

SOURCE CODE: UR/0062/66/000/003/0499/0505

AUTHOR: Bergel'son, L. D.; Solodovnik, V. D.; Shemyakin, M. M.

ORG: Institute of Chemistry of Natural Compounds, AN SSSR (Institut khimii prirodnikh soyedineniy AN SSSR)

TITLE: Stereoregulated synthesis of unsaturated compounds. Report 9. Stereochemistry of the reaction between aldehydes and beta, gamma-unsaturated triphenylphosphorylides

SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya, no. 3, 1966, 499-505

TOPIC TAGS: organic synthetic process, aldehyde, stereochemistry, halide, organic phosphorus compound, IR spectrum

ABSTRACT: The effect of the polarity of the medium and the nature of the halide ions on the steric trend of the carbonyl-olefinization reaction was studied with the aid of beta, gamma-unsaturated triphenylphosphorylides. Conditions which permit the utilization of the carbonyl-olefinization reaction for the stereo-directed synthesis of trans,trans- and trans,cis-dienes were established. The authors express their gratitude to L. B. Senyavina who performed the IR-spectra. Orig. art. has: 3 formulas and 1 tables. [JPRS]

SUB CODE: 07 / SUBM DATE: 18Oct63 / ORIG REF: 006 / OTH REF: 012

Card 1/1

UDC: 542.91+541.63

L 26541-66 EWT(m) RM

ACC NR: AP6017362

SOURCE CODE: UR/0062/66/000/003/0506/0511

AUTHOR: Bergel'son, L. D.; Vaver, V. A.; Barsukov, L. I.; Shemyakin, M. M. ²⁹_B

ORG: Institute of Chemistry of Natural Compounds, AN SSSR (Institut khimii prirodnykh soyedineniy AN SSSR)

TITLE: Stereoregulated synthesis of unsaturated compounds. Report 10. Stereochemistry of the reactions between aldehydes and phosphonate- and phosphin oxide-carbanions ¹

SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya, no. 3, 1966, 506-511

TOPIC TAGS: stereochemistry, organic syrthetic process, aldehyde, organic phosphorus compound

ABSTRACT: The reaction between phosphonate- and phosphin oxide-carbanions with aromatic and aliphatic aldehydes leads selectively to the trans-olefins. The steric trend of the reaction does not depend on the polarity of the medium. Orig. art. has: 5 figures and 2 tables. [JPRS]

SUB CODE: 07 / SUBM DATE: 05Nov63 / ORIG REF: 008 / OTH REF: 009

Card 1/1 CC

UDC: 541.64.1 542.91 ₂

11/17/01 BT(1) JK
ACQ SER AP7003653

SOURCE CODE: UR/0079/66/036/008/1391/1405

AUTHOR: Shemyakin, M. M.; Vinogradova, Ye. I.; Feygina, M. Yu.; Aldanova, N. A.; Shvetsov, Yu. B.; Fonina, L. A. 24

ORG: Institute of the Chemistry of Natural Compounds, AN SSSR (Institut khimii prirodnkh soyedineniy AN SSSR)

TITLE: Synthesis and antibacterial activity of valinomycin analogs

SOURCE: Zhurnal obshchey khimii v. 36, no. 8, 1966, 1391-1405

TOPIC TAGS: bactericide, organic synthetic process

ABSTRACT: In a study of the relationship between the structure and biological effects of depsipeptides related to valinomycin, the authors synthesized a series of its linear and cyclic analogs, differing in chain length or size of ring, as well as in the nature and configuration of the hydroxy and amino acid residues. The optically active linear depsipeptides were synthesized by a method developed earlier by the authors for the total synthesis of valinomycin, consisting of gradual construction of the depsipeptide chain by the creation first of esters, then of amide bonds. The activity of the depsipeptides was found to depend upon the presence and size of the ring, as well as on the nature and configuration of the amino and hydroxy acid residues. All of the investigated cyclotetra- and cyclooctadepsipeptides had no activity at all, whereas many cyclododecadepsipeptides possessed substantial activity; the activity again disappeared for

Card 1/2

UDC: 547.982.466

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L 11397-07

ACC NR: AP7003653

cyclohexadecadepsipeptides. The structure of the radicals and configuration of the amino acid residues in the valinomycin molecule could be varied substantially (on a limited portion of the chain) without any significant loss of activity. However, a change in the structure of the radical or configuration of the hydroxy acid residues usually led to an almost total destruction of the antimicrobial activity. It was concluded that the antibiotic activity of depsipeptides is evidently associated with their interaction with the lipoproteins of the cell membranes, expressed in the ability of these compounds to selectively induce active transport of potassium ions (but not of sodium ions) into animal mitochondria. Orig. art. has: 1 figure and 14 tables. [JPRS: 38,970]

SUB CODE: 06,07 / SUBM DATE: 12Jul65

Card 2/2 ^{jb}

SHEMYAKINA, A.A.

Quick method for isolating dysentery bacteria. Lab.delo 3 no.4:33
Jl-Ag '57. (MLRA 10:8)

1. Iz dorozhnoy sanitarno-epidemiologicheskoy stantsii (nachal'nik
G.A.Klyukova) Sverdlovskoy zheleznoy dorogi
(DYSENTERY)

SHEMYAKINA, A.A.

Viability of dysentery bacteria in water, bread, and sour milk
products, and in a dried state. Gig. i san. 23 no.8:79 Ag '58
(MIRA 11:9)

1. Iz sanitarno-epidemiologicheskoy stantsii Sverdlovskoy
zheleznoy dorogi.

(SHIGELLA PARADYSENTERIAE)

(FOOD--BACTERIOLOGY)

SHENZAKHA, A.A.

Antagonistic properties of Escherichia coli. Zhur.mikrobiol.
epid. i immn. 30 no.5:143 My '59. (MIRA 12:9)

1. Iz sanitarno-epidemiologicheskoy stantsii Sverdlovskoy
zheleznoy dorogi.

(ESCHERICHIA COLI)

SHEMYAKINA, A.A.; GALITAROV, S.S.; SUYEVALOVA, L.K.

Determination of the ferment, cystinase, in cultures of diphtheria bacilli. Lab.delo 7 no.7:5'-58 J1 '61. (MIRA 14:6)

1. Dorozhnaya sanitarno-epidemiologicheskaya stantsiya Sverdlovskoy zheleznoy dorogi (nachal'nik G.A.Klyukova).
(ENZYMES) (CORYNEBACTERIUM DIPHTHERIAE)

SHEMYAKINA, A.A.

Formation of hydrogen sulfide by intestinal microbes growing on
different culture media. Zhur. mikrobiol., epid. i immun. 40 no.11:
74-76 N '63. (MIRA 17:12)

1. Iz Dorozhnoy sanitarno-epidemiologicheskoy stantsii Sverdlovskoy
zheleznoy dorogi.

SHEMYAKINA, A.A.; STEFANOVA, S.V.

Study of the antibiotic sensitivity of cultures of dysentery bacilli and enteropathogenic colibacilli isolated in a sanitary epidemiological laboratory in 1961. Antibiotiki 9 no.2:165-167 F '64. (MIRA 17:12)

1. Dorozhnaya sanitarno-epidemiologicheskaya stantsiya Sverdlovskoy zheleznoy dorogi, Sverdlovsk.

USSR/Cultivated Plants. Cereals.

M

Abs Jour: Ref Zhur-Biol., No 17, 1958, 77585.

Author : ~~Shemyakina, A.F.~~
Inst : Moscow Agricultural Academy Imeni K. A. Timiryazev
Title : Formation of the Root System of Winter Wheat
Depending on Treatment of Soil and Application
of Fertilizers.

Orig Pub: Dokl. Mosk. s.-kh. akad. im. K.A. Timiryazeva, 1957,
vyp. 28, 165-170.

Abstract: Investigations were conducted at the experimental
station of field husbandry of the Timiryazev Agri-
cultural Academy in 1955-1956. The basic mass of
the roots is located in the upper (0-20 cm) layer
of the soil; with deepening of plowing, the quantity

Card : 1/2

at material made before planting in a dose of
1000. Response raised the seed crop yield at 24.0 %.

SHEMYAKINA, A.F., kand.sel'skokhozyaystvennykh nauk

Correct recording of crops. Biol. v shkole no.5:54 S-0 '61.

(MIRA 14:9)

1. Moskovskaya sel'skokhozyaystvennaya akademiya imeni K.A.
Timiryazeva.

(Agriculture--Experimentation)

SHEMYAKINA, A. S.

Decomposition of hydrogen peroxide in cotton bleaching
A. V. Gorovaya, N. A. Boris, and A. S. Shemyakina
Tekhn. Prom. 16, No. 8, 34-8 (1966).—Decompn. of H_2O_2
is caused by micro-organisms and catalases which develop
in the wet material. A preliminary acidification of the un-
bleached or desized cotton, NaOH treatment, washing with
 H_2O contg. a small amt. of $HCHO$, and heating to 100°
considerably decrease the harmful action of catalases.
Elisabeth Barabash

SHENYAKINA, A.K.

4
The decomposition of hydrogen peroxide in cotton bleaching. A. V. Shuryova, N. A. Boris, and A. K. Shenyakina. Tekhn. Prots. 12, 708-12 (1957).—See C. 4: 51, 1019a.
J. A. Seilard

for any

SHEMYAKINA, I. P.

Dissertation defended for the degree of Doctor of Chemical Sciences at the
Institute of Elemento-organic Compounds in 1962:

"Modes of Synthesis, Properties, and Stereochemistry of Compounds of the
Cycloaliphatic Series."

Vest. Akad. Nauk SSSR. No. 4, Moscow, 1963, pages 119-145

SHCHENYAKIN, O.S.
SHCHENYAKIN, O.S.

Damage caused by yperite in chilled, overheated, and exhausted
animals; abstract. Voen.-med.zhur. no.3:80 Mr '61. (MIRA 14:7)
(MUSTARD GAS)

KUSTOV, V.V.; DENISENKO, A.A.; SHEMYAKIN, O.S.

Toxicology of triethylamine. Farm.i toks. 23 no.2:174-177 Mr-Ap
'60. (MIRA 14:3)

(ETHYLAMINE--TOXICOLOGY)

GUSEV, V.N., inzh.; MARKIN, V.P., inzh.; TEREKAL', V.R., inzh.;
SHEVYAKIN, P.A., inzh.

Adjustment and test results of the TP-70 boiler operating on
natural gas. Energomashinostroenie 7 no.7:1-5 J1 '61.

(Boilers: Testing)

(MIRA 14:8)